

REMARKS/ARGUMENTS

This case has been carefully reviewed and analyzed in view of the Office Action dated 22 September 2005. Responsive to that Office Action, Claim 1 is now canceled and new Claim 7 added along with Claims 2 – 6 being amended for further prosecution. With such amendment of claims and addition of new independent claim, there is a further clarification of the pending claims' recitations.

In the Office Action, the Examiner rejected Claims 1 – 6 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. In response to this rejection, Claim 1 has been canceled and Claims 2 – 6 have been amended and now particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

In the Office Action, the Examiner has rejected Claims 1-6 in view of the Hehl reference (U.S. Patent No. 5,539,650). In general, the Hehl reference is directed to a method used by a manufacturer for controlling an injection molding machine. The Hehl reference provides the manufacturer with the ability of controlling charge, production sequence, cycling sequences and production control.

Such processes are well known to the manufacturers of mold injection machines. However, the mold machines are sold to ultimate users who maintain confidential information about the particular molds of being produces.

The subject invention concept is directed to a method of controlling an injection molding process where the ultimate user has control over the settings of the injection molding machine for a particular mold or set of molds. With respect to this concept, an auto process setting to be input by the operator at the time of the molding is provided as is clearly shown in Fig. 1 which is accomplished subsequent to the function/time setting of the injection molding machine.

In this manner, the ultimate operator of the molding machine controls the particular motions of the molding machine and sets such motions sequentially after setting the function/time parameters. Additionally, the automatic process steps includes the setting of predetermined motions of the molding machine to be performed subsequent to a mold closing action. These parameters are particularly directed to individual molds and allows the operator to control in his establishment the proper settings of the injection mold process for particular mold contours.

Thus, in the subject invention concept it is of importance that the automatic process steps are initiated sequentially after the setting of the function/time parameters.

With regard to the Hehl reference, this simply shows a method of controlling an injection molding machine but does not provide for the sequential

initiating of an automatic process whereby the setting of predetermined motions subsequent to the completion of the mold opening action and subsequent to the mold closing action are taken.

The object of the method of the subject Patent Application is to allow the ultimate operator of the injection molding machine to have control over the predetermined settings of the molding process and maintain in secrecy and in confidentiality the particular settings which are necessary for the production of an individual mold.

The Hehl reference is directed to the overall controlling of a molding machine and does not direct itself to the sequential initiating of the automatic process as previously described.

Thus, the Hehl reference does not show: “sequentially initiating an automatic process after step (f) ...” as shown in new independent Claim 7, nor does the Hehl reference show or describe the “setting predetermined motions of the molding machine to be performed subsequent to completion of the mold-opening action ...”, nor does it show the sequential step of: “... setting predetermined motions of the molding machine to be performed subsequent to the mold-closing action ...” as is necessary to the inventive concept as defined in independent Claim 7.

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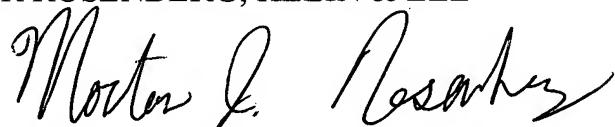
Serial Number: 10/601,587

Response to Office Action Dated 22 September 2005

The references cited by the Examiner but not used in the rejection are believed to be further remote from the subject invention when patentability considerations are taken into account.

It is respectfully submitted, therefore, that the subject Patent Application has now been placed fully in condition for allowance, and such action is respectfully requested.

Respectfully submitted,
FOR ROSENBERG, KLEIN & LEE



Morton J. Rosenberg
Registration #26,049

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Rosenberg, Klein & Lee
Suite 101
3458 Ellicott Center Drive
Ellicott City, MD 21043
(410) 465-6678
Customer No. 04586